

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

MIDWEST MINERALS, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 23 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Barton	09	30N	30W	23	0	23	Jasper Quarry #15	0118

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 10th day of September 2004


DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0088

Effective Date 10/01/2004

Expiration Date 09/30/2005

MO 780-11.22 (6-95)

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AUG 31 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL MIDWEST MINERALS, INC.		MISSOURI LAND RECLAMATION COMMISSION DATE 8/23/04	
ADDRESS P.O. Box 412	CITY PITTSBURG	STATE KS	ZIP CODE 66762
CONTACT PERSON CURT A. BRUMBAUGH		TELEPHONE NUMBER 620-231-8120	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. JASPER QUARRY #15	Jan , Feb , Mar , Apr , May , Jun , Jul , Aug , Sep , Oct , Nov , Dec	\$ 300.00
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE **300.00**2. Acreage Fee \$5 X **23** number of acres bonded **115.00**3. Annual Permit Fee **500**4. Total Fee (Add totals from 1, 2 and 3) **915.00**NOTE: If Total Fee exceeds \$2,500.00 then pay only **2,500**

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee **300**

SIGNATURE OF APPLICANT Curt A. Brumbaugh		TITLE SAFETY DIRECTOR	DATE 8/23/04
Appeared before me this 23rd day of August , 20 04 , Curt A. Brumbaugh to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF KS	COUNTY (OR CITY OF ST. LOUIS) CRAWFORD	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 23rd DAY OF August YEAR 2004		
	NOTARY PUBLIC SIGNATURE Jean E. Baugh	MY COMMISSION EXPIRES 6/30/08	USE RUBBER STAMP IN CLEAR AREA BELOW. Jean E. Baugh Notary Public State of Kansas My Appt. Exp. 6/30/08
	NOTARY PUBLIC NAME (TYPED OR PRINTED) JEAN E. BAUGH		
FOR DEPARTMENT USE ONLY: APPROVED BY [Signature]	DATE APPROVED 9/7/04	PERMIT NUMBER 0088	EXPIRATION DATE 9/30/05



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND
RECLAMATION COMMISSION

SITE NAME OR NUMBER Jasper Quarry #15		PERMIT NUMBER 91-88	
COMPANY NAME Midwest Minerals, Inc.			
COUNTY Barton	1/4 SECTION SE 1/4	SECTION 9	
TOWNSHIP 30N	RANGE 30W	ACRES 100	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Dr. Mark W. Catron		
ADDRESS 1839 Garrison		
CITY Carthage	STATE MO	ZIP CODE 64836
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT April 12, 1960

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: September 30, 2030

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Jasper #15

This plan covers an area of approximately 100 acres (see map), of which 23 acres have been permitted. Most of the mine lies in a flat area. Topsoil is approximately 12 inches. The area is bordered to the east by a county road.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Topsoil removal will be on an as needed basis to expose the rock. Topsoil removed will be kept at least 20 feet ahead of pit excavation. Our soil sampling reports are attached. Topsoil and subsoil will be removed until the rock seam is exposed. Topsoil hauled to a stockpile site to be used in final reclamation. Subsoil hauled to a stockpile site to be sold.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The scrapers/trucks will deposit the soil into a stockpile. (see map)
The stockpiles will be shaped and seeded with grass to protect from erosion.

10 acres x 12" Depth
43560 x 10 x 1 = 16,133 c.y.

27

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed from the pit will be placed and graded to traversable slopes (5:1) before topsoil is replaced.
Some subsoil will be sold and removed from mine on as needed basis.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Mining will start in August or September 1992 on the area permitted,
listed on map 1991

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1 #1	PURPOSE OR LAND USE Water Reservoir	B. SEEDING OR PLANTING TIME Spring March 1 - June 1
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed will be broadcast and harrowed. Reseeding will be done as needed to achieve grass cover sufficient to control erosion around reservoir banks.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Tall Fescue	11	N/A	N/A
Medium Red Clover	5	N/A	N/A

VEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

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ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

All spoil areas will be graded so as traversable by farm machinery.

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C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading and topsoiling will be done as the pit advances, and completed within 12 months after the expiration of the permit under which disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced to a uniform depth of 12" and disked to reduce compaction.

REVEGETATION

All topsoil area will be seeded during the first spring following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural) (Banks of water impoundment)

3

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

97

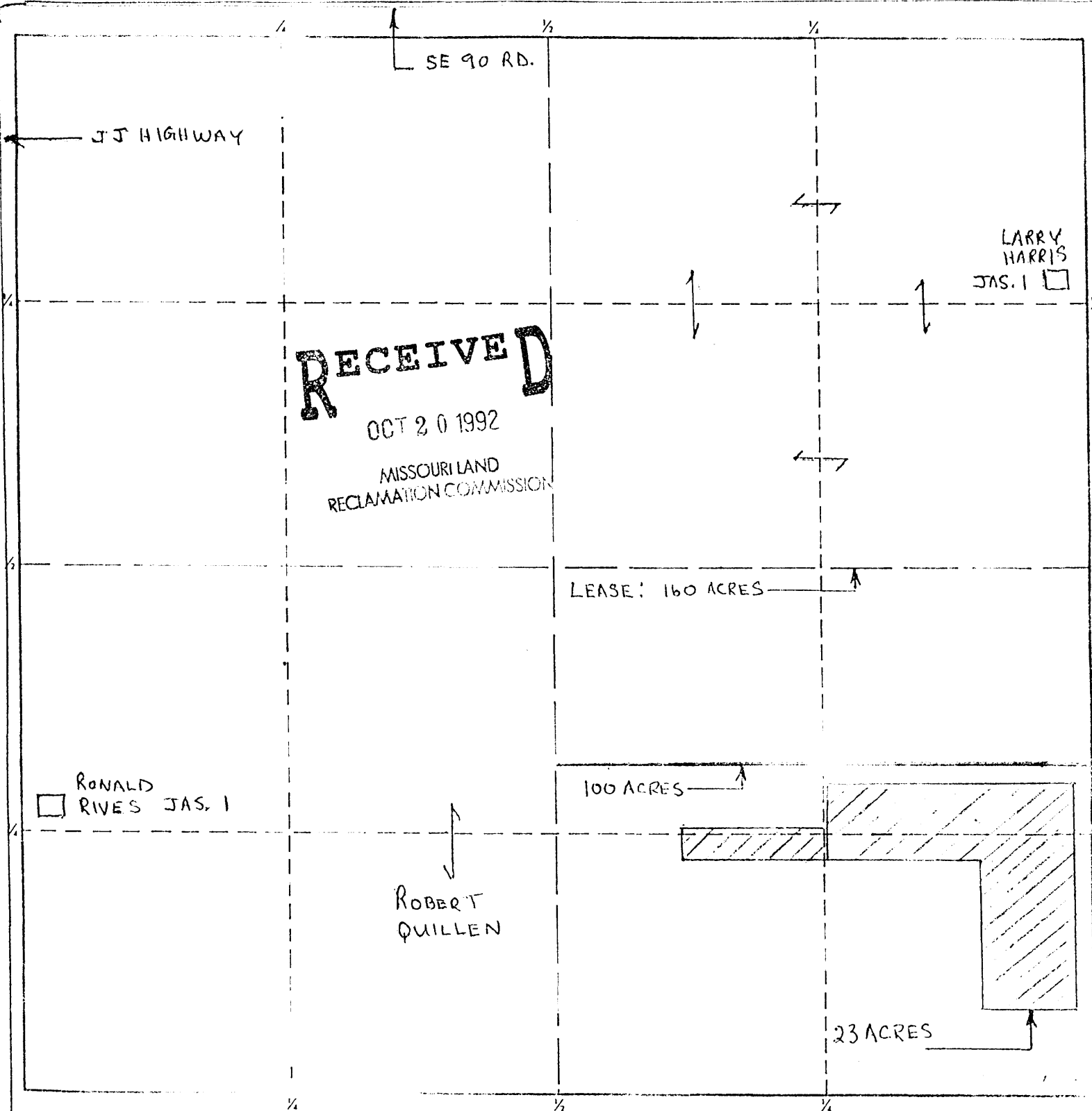
By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Richard L. Atkinson</i>		TITLE PRESIDENT	DATE 10/15/92
NOTARY PUBLIC EMBOSSEER SEAL	STATE KANSAS	COUNTY (OR CITY OF ST. LOUIS) CRAWFORD	
SUBSCRIBED AND SWORN BEFORE ME, THIS 15th DAY OF OCTOBER 19 92		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE <i>Lora L. Selby</i>		MY COMMISSION EXPIRES 01-13-92	
NOTARY PUBLIC NAME (TYPED OR PRINTED) LORA L. SELBY			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Karen F. Fortney</i> LPS II		DATE APPROVED 11/6/92	PERMIT NUMBER 88

COMPANY MIDWEST MINERALS, INC.
MINE/PIT JASPER #15 JASPER, MO.
COUNTY BARTON

DATE OCTOBER 16, 1992
COMMODITY MINED LIMESTONE
SECTION 9, TOWNSHIP 30, RANGE 30



SCALE: 1" = 660'
W. C. O'DELL

COUNTY RD.

29 SEP 92

BARTON

MAP: **M1** M: 1 2 3 4 5 6 NOT TO SCALE

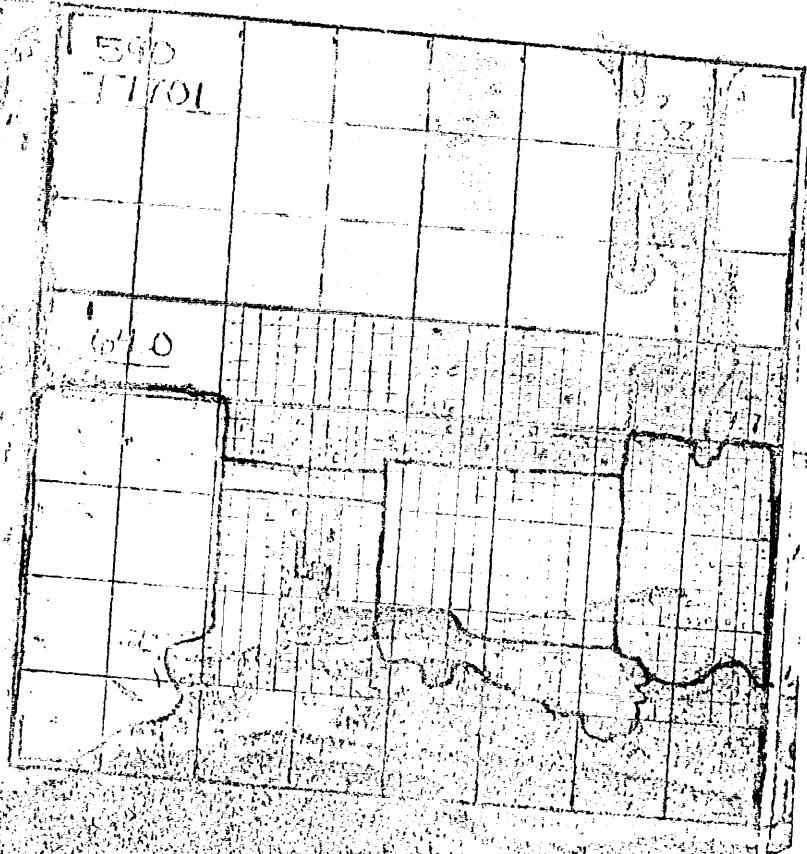
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Taspee

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OCT 20 1992

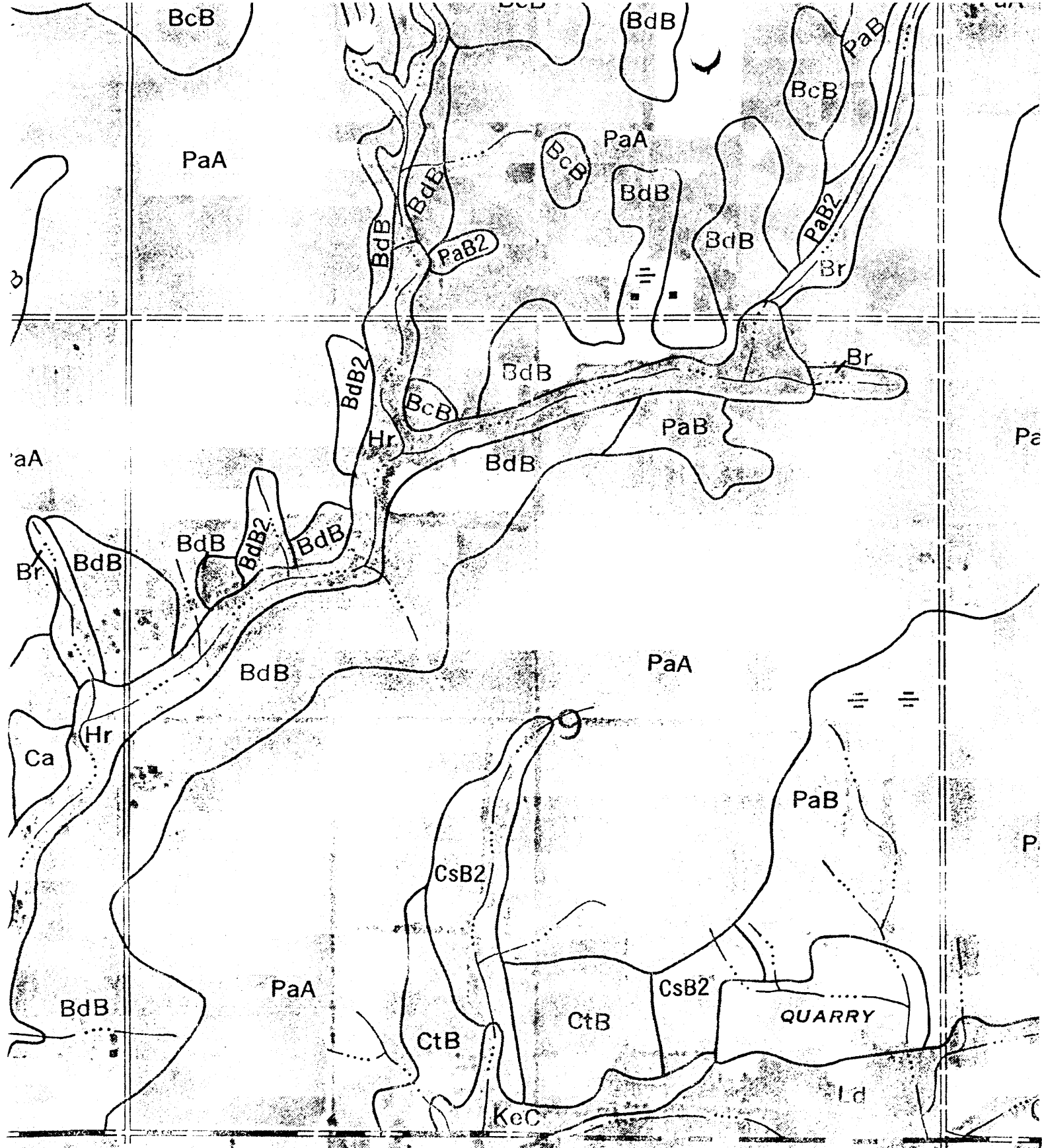
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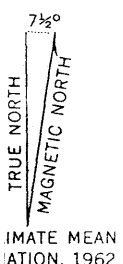
- 3 AC - 1975-78
- 2 AC - 1972

LEGEND

- PRIOR 1972
- 3 AC - 1979
- 10 AC - 1990
- 10 AC - 1991



GEOLOGICAL
THOMAS E



CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.

QUADRA